CFP Spring 2010 All-members

1:00-1:30 Welcome and introduction to CFP

Andy Lippman, MIT Media Lab

1:30-2:15 Keynote address: The Future of Digital Media

Scott Dinsdale, Sony Music Entertainment

2:15-3:00 Redefining Television

William Uricchio, Director, MIT Comparative Media Studies Program

3:00-3:15 Break

3:15-4:00 Television Reloaded

Charlie Fine, MIT Sloan School of Management

4:00-4:45 After the Triple Play: Future Opportunities for Operators

Dave Clark, MIT CSAIL

Social Information and Television

Andrew Lippman Media Lab lip@mit.edu April, 2010



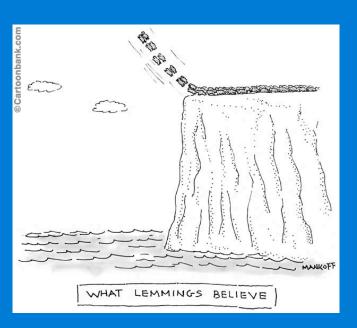
The CFP Approach

- CFP is about breadth and argument
- Functions through working groups
- Emphasis on value chain dynamics in a context of social and technical disruption
- Today television both because of importance and because it is a metaphor

Make the players into a team: Fine

Institutional cracks

- Out of scale
- Monocultures
- Opaque
- Blurred mission
- Presumed continuity



Solution: Invert each bit

Television Stability?

- 1884: Nipkow Disk, used through WWII
- 1900: Perksyi: "Television"
- 1904: Television: Hugo Gernsback
- 1920: Zworykin, Westinghouse
- 1923: Iconoscope, version 1
- 1928: Farnsworth, image dissector
- 1929: Baird broadcasts, Alexandra Palace
- 1935: Berlin Olympics
- 1939: NY World's Fair; image iconoscope
- 1940's: Dumont FSS TV
- 1943: Orthicon
- 1941-46: US broadcasts
- 1949: CATV
- 1950: CBS Color1953: NTSC color
- 1955: Ampex videotape

- 1958: Videogame, Brookhaven
- 1962: Phonevision, PayTV
- 1962: Spacewar, MIT
- 1965: Sony 1/2 helical tape, \$3000
- 1969: RCA selectavision player
- 1972: HBO
- 1975: Satellite HBO, PONG (Atari)
- 1975: Betamax
- 1976: Teletext, BBC, WTBS (name from MIT in 1979)
- 1977: CUBE
- 1978: Videodisc
- 1980: Addressable Converter
- 1991: MPEG



Ad revenue

- Internet is 17 percent of overall ad revenue (TV, radio, newspapers, consumer magazines.) Up from 8 percent in 2005 (AP, 8 April, 2010)
- Google 2009 = \$23Billion (Annual report)
- Network TV down 9.9%; all TV down 9%
- Spanish Language cable up 32.2%

Television Viewing

- The typical American continues to increase his/her media time, watching each week almost 35 hrs of TV, 2 hrs of timeshifted TV, 22 minutes of online video and 4 minutes of mobile video, while also spending 4 hours on the internet.
- In addition, Americans now spend 35% more time using the Internet and TV simultaneously than they were a year ago now spending up to 3.5 hours each month surfing the Internet and watching TV at the same ** TV at the same **

Neilsen, Q4, 2009

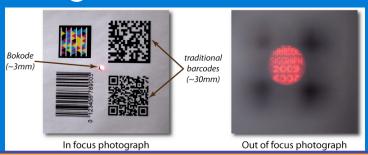
Television Viewing: Nature

- Average video length viewed is 2 1/2 minutes long. (10 minute limit except for partners) (Chad Hurley, 2006)
- 6 Million pictures on Flickr; 300,000 "I ate this." Nikon, Olympus, Sony and Fuji have "cuisine" settings. (NYTimes, 4/6/10)
- Image tagging is a new story, Von Ahn



Television Imaging Technology

- Headlight to spotlight converter
- Data in the image/optical networking
- Blur insertion/NPR/Range
- BiDi Screen
- Imperceptible structured light
- 3D/non-3D
- Bokode



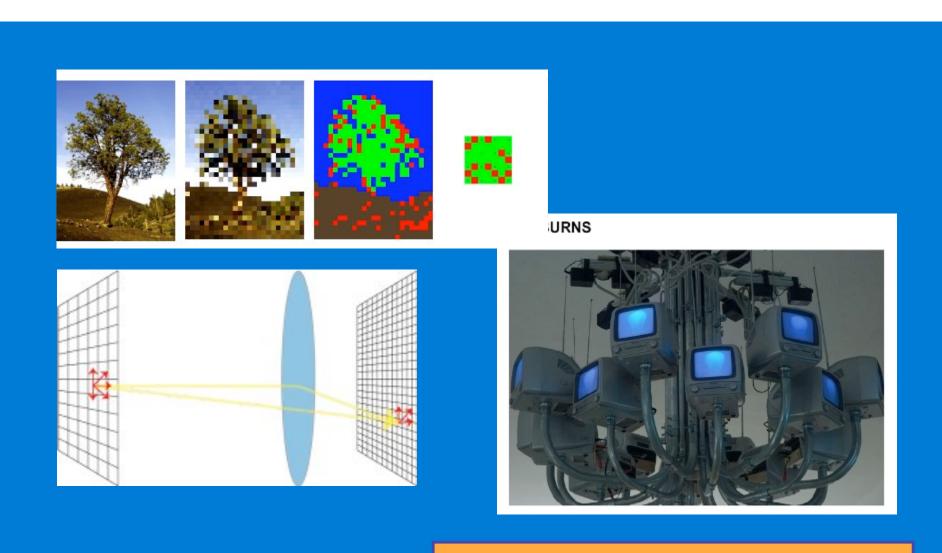
Media.mit.edu/~Raskar

Television Viewing: past 3D

- Multiple feeds multiple views
- Holographic television



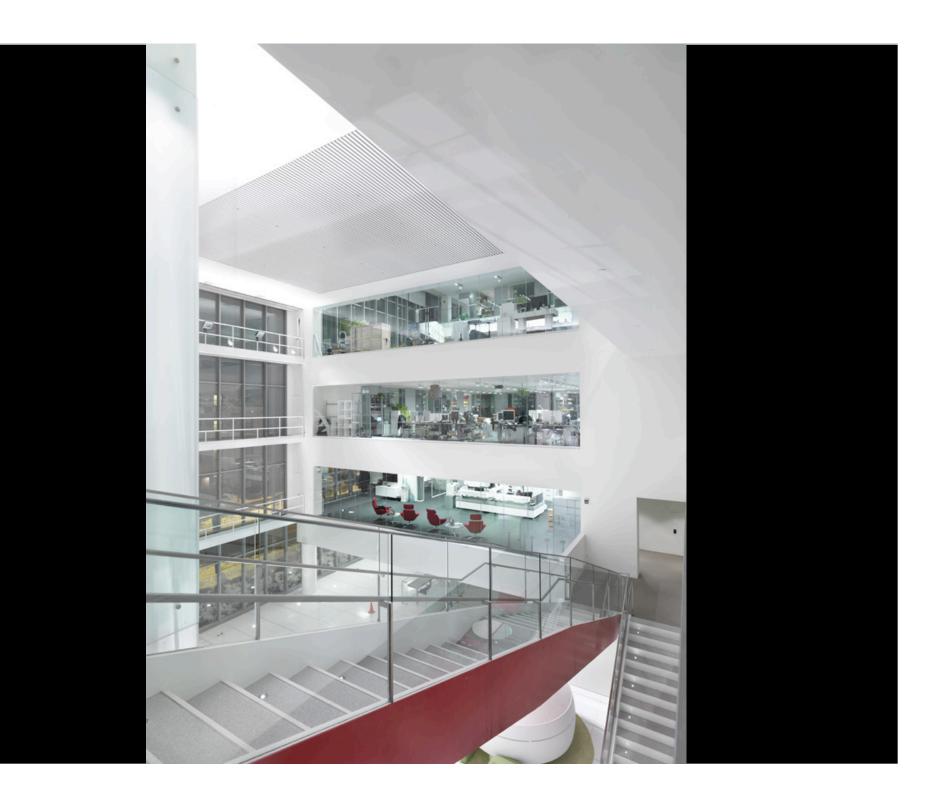
Television Viewing: Optical Data



Grace Woo, 2010

Interpreting the day

- It's about stories
- It's about light
- It's about opportunity







BT LABORATORY



Design Ecology David Small



Information Ecology

Henry Holtzman

David Carr, Greg Elliott, Matt Hirsch, John Kestner, ReeD Martin

About

ConstantCrit

using the many displays in to new building, give students and faculty a space to post nascent ideas and open them for critique and collaboration.



ConstantCrit encourages MediaLab researchers to displays these ideas throughout the Media Lab, suggesting readings and comments. It also offers a further and follow it or collaborate with the author.



Tangible Media



Viral Communications

Andrew Lippman



BT LABORATORY



Design Ecology David Small



Information Ecology



Henry Holtzman David Carr, Greg Elliott, Matt Hirsch, John Kestner, ReeD Martin



Tangible Media





Beyond - Collapsible Tools and Gestures for Computational Design



Beyond is an interface for design where users can directly manipulate digital media with physically pushed onto the screen, these tools can physically letting users perceive as if they are inserting tools into the digital space beyond the screen. Our aim is to make the digital 3-D design process straightforward, scalable and more accessible to

general users by extending physical affordances and inherent senses of 3-D space beyond the computer screen.



Viral Communications

Andrew Lippman





















